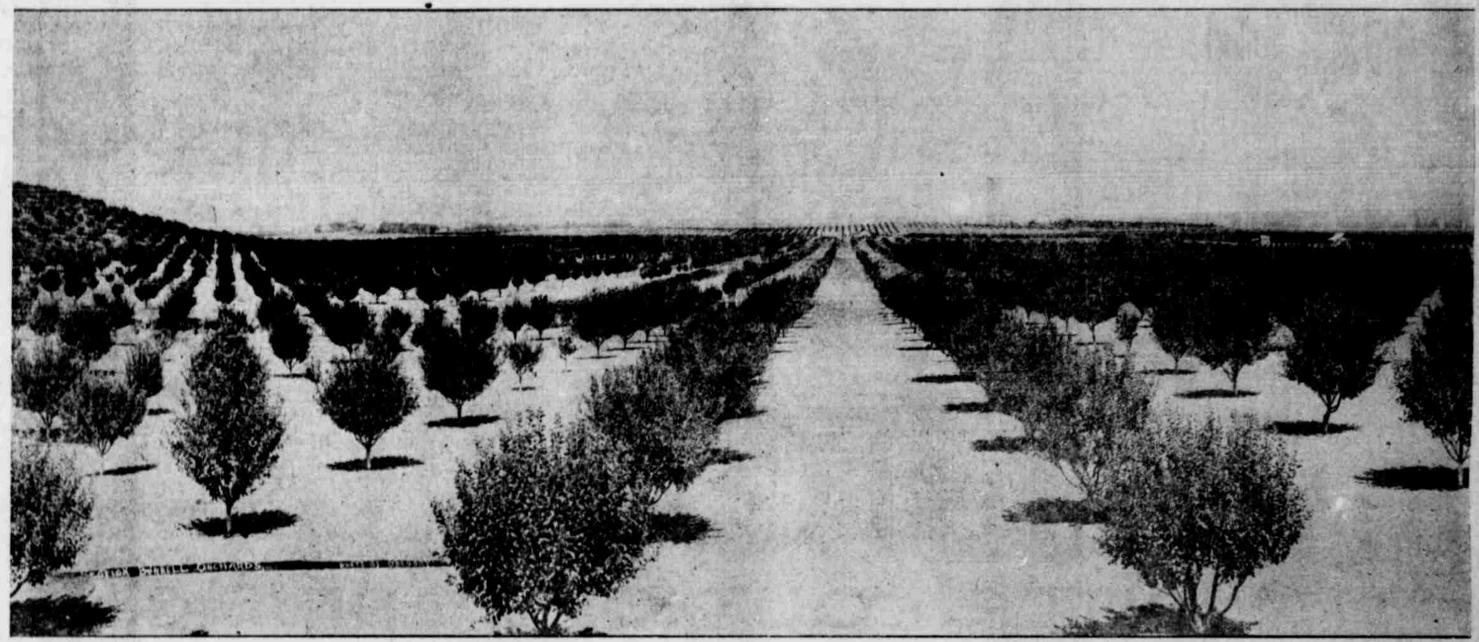
ORCHARDS HIGHWAYS MEDITION MAIL TRIBUNE NEW YEAR'S EDITION

MEDFORD, OREGON, WEDNESDAY, JANUARY 1, 1913.

Rogue River Valley Greatest of Commercial Fruit Belts



The acreage of the orchards of the pay, and are acting in the capacity vated, pruned and sprayed each year, | main value lies in the fact that they or, in other words, kept free from porting the conditions exactly as tion is under the direction of an of- cerning the health of every orchard, fice which has been established for and if the secret service men report Jackson county, and which is the only any delinquincy on the part of a office of its kind in the United fruit grower, his case is immediately States. The work of this office, which taken care of. Very often the secret is known as the office of the Patholo- service man himself notifies the growgist and Entomologist for Rogue er that certain trees in his orchard river valley, has become so well need attention, and in this way known in different parts of the saves the office a great deal of time. United States and even in Europe. The object in establishing this systhat it will be only a short time when tem was to control pear blight which offices of a like character will be es- is a most serious infectious disease tablished elsewhere. It is a case of of pears and apples, but which has "the man on the ground" being able been most effectively controlled by to do more for the public than one the pathologist's office in the Rogue at a distance.

First Duty

carry out a strict inspection of all fruit which might be infected or inorchards, as well as nursery stock, fested under the meaning of the law. which may be grown within the dis- Altogether, the office with its intrict or which may be brought into spectors and secret service men is a it from outside districts. With the very effective machine for the handlarge area planted, together with ling of horticultural inspection and numerous other duties, the officer in quarantine, charge, Professor P. J. O'Gara, could | As stated above, the duties of the not possibly attend to these daties office of the Pathologist and Entomowithout the assistance of inspectors logist are numerous. In the first and office help. In order that in- place, information on all horticalturspection may be properly carried al subjects is given the public lected and placed in their respective ers, a large number of which have uses, the prevention of frost injury, districts. There are four or five in- been published. Omitting the num- testing of fuel oil and smudge pots, spectors attached to the office dur- erons short article which have been cover crops for orchards, the codling ing the entire year, and from among published in the local press, the moth, Bordeaux mixture, pollination, these men one is chosen as the chief pathologist's office has published plant breeding, spraying calendars, inspector. These men are in the nine bulletins, two press bulletins, water core of apple, vinegar making, field during the entire year, winter one circular and sixteen papers, etc. Among the more technical papand summer, for it must be remem- These publications cover such im- ers are those on a new crown gall hered that the Rogue river valley ex- portant matters as the control of disease of alfalfa, a mite causing tends over a very large area. The the California line on the south to | the northern boundary of the coun- | + ty; and from Prospect, a distance of | * 50 miles up the Rogue from Medford | + to the Applegate valley on the west, | + Of course, this entire area is not | covered by orchards, but, nevertheless, orchards, old and young, are found everywhere within this area. . Deputies Employed

Although the force of inspectors might be considered a large one for | a single county, if it were not for | 4 the help given by the deputy horticultural commissioners, it would be | + almost impossible to anequately cover the district. In no other county | 4 the year round. These fifty men, or

Rogue river valley now reaches the jof secret service agents. They are large total of almost 65,000 acres. distributed over the entire county When it is remembered that there in the various districts and neighborare oh an average of 70 near trees boods where orchard fruit trees are and 50 apple trees planted per acre, grown. They have the full power to one may easily realize the enormous enforce the horticultural laws just as number of trees which must be culti- have the inspectors. However, their Furthermore, in order that all these keep the central office in constant trees shall be kept in perfect health, touch with the various district by rediseases and insect pests, they must they find them. In this way, the ofbe carefully inspected. This inspectifice has first hand information con river valley. However, the secret service force also aids in prevent the The first duty of the office is to shipment out of the valley of any

MEDFORD. OREGON

out, specially trained men are se- through bulletins, circulars and pap- pear blight, lime sulphur and Its

WHAT ONE ORCHARDIST DID IN 1912. Fred H. Hopkins of the Snowy Butte orchard at Central

"From 14 acres of pears I sold in 1912;

7000 boxes Winter Nells pears at \$1.87 1/2 f. o. b. Central Point, net\$13,125 4 103 boxes Nells pears, consigned, returns not received 500 boxes Bartletts and Fall Butter at \$1.40 f. o. b. Cen-

tral Point Determine the contract of From 500 boxes of Comice and Bosc, grown on grafts, net 560

Total from orchard\$14,385 From 47 acres barley he barvested\$ 1,800 On Aug. 31, I bought 35 hogs, for \$187.20. They averaged \$ 81 4 lbs. in weight. I began feeding them corn grown between 4 the rows of fruit trees. On December 12, I sold the hogs at the has an arrangement been made + same price per pound, 6 1/2 cents, that I had paid. They had inwhereby a force of more than fifty & creased an average of 136 lbs. in weight. I received \$494.25 for deputy commissioners is employed + the hogs, \$307.55 profit over what I had paid.



'rusty leaf" of the pear, the cherry fruit saw fly, the raspberry cane blight, etc. These bulletins and papers are distributed without cost to those who call for them, or request

The pathologist's office was the first institution in the Pacific northwest to investigate the important question of orchard heating to prevent frost injury. In connection with the experimental work on fuel and appliances, the work of forcasting frosts was taken up in connection with the U. S. Weather Bureau. Through this office, Medford has been made the key station of the U. S. weather service for Rogue river valley. At this time, the entire valley is covered by a network of cooperative stations under the direction of the key station in order to study more carefully the climatological conditions of the district. The central or key station is furnished with a complete set of meteorological apparatus, and "weather" is received and reported to the district office at Portland every day in the year.

Cooperates With Uncle Sam In the routine of office and field work, there are so many things come up that one man alone could not possibly attend to all of them and give each its due share of attention. There are many things which demand a great deal of time, and belong to the specialist in that particular line. To give the people of the Rogue river valley the very best service, the pathologist's office cooperates with the various bureaus of the U.S. department of agriculture at Washington, D. C. For instance, important matters relating to special analyses of solls are referred to the U. S. Burean of Solis: matters pertaining to chemistry and requiring special apparatus are referred to the U. S. Burean of Chemistry. In other words through cooperation, the office is able to secure help which the individual could not get. The cooperation with the various Bureaus of the U. S. Department of Agriculture is of the greatest value since all matters referred to them receive careful attention and whatever recommendations they may make may be relied

Library and Laboratory

The pathologist's office has a library and laboratory in connection with it. The library consists of more than 10,000 references fully catalogued and indexed. As a matter of fact, there is none better in Oregon in the way of a working library for the farmer, fruit grower, poultryman, or stockman. The IIbrary receives publications from every experiment station in the United States and its island possessions. It also receives all the publications of the U. S. Department of Agriculture, and the various other bureaus connected with the Federal

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